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# NiceZyme View of ENZYME: EC 1.5.1.5

Official Name	
Methylenetetrahydrofolate dehydrogenase (NADP+).	
Alternative Name(s)	
None.	
Reaction catalysed	
<div><div><div>5,10-methylenetetrahydrofolate</div><div>+ NADP (+)</div><div>&lt;=&gt;</div><div>5,10-methenyltetrahydrofolate</div><div>+ NADPH</div></div></div>	
Human Genetic Disease(s)	
Methyltetrahydrofolate cyclohydrolase deficiency	<a href="#">MIM:172460</a>
Cross-references	
Biochemical Pathways; map number(s)	<a href="#">B7</a>
PROSITE	<a href="#">PDOC00616</a>
BRENDA	<a href="#">1.5.1.5</a>
EMP/PUMA	<a href="#">1.5.1.5</a>
WIT	<a href="#">1.5.1.5</a>
Kyoto University LIGAND chemical database	<a href="#">1.5.1.5</a>
IUBMB Enzyme Nomenclature	<a href="#">1.5.1.5</a>
IntEnz	<a href="#">1.5.1.5</a>
MEDLINE	<a href="#">Find literature relating to 1.5.1.5</a>
Swiss-Prot	<div><div><div><div><div><div>O96553</div><div>C1TC_DROME;</div></div><div><div>P27653</div><div>C1TC_RAT ;</div></div><div><div>P09440</div><div>C1TM_YEAST;</div></div><div><div>Q8K979</div><div>FOLD_BUCAP;</div></div><div><div>Q9Z8K3</div><div>FOLD_CHLPN;</div></div><div><div>P44313</div><div>FOLD_HAEIN;</div></div><div><div>P47259</div><div>FOLD_MYCGE;</div></div><div><div>Q9ZD32</div><div>FOLD_RICPR;</div></div><div><div>P96050</div><div>FOLD_STRTR;</div></div></div><div><div>P11586</div><div>C1TC_HUMAN;</div></div><div><div>Q27772</div><div>C1TC_SPOFR;</div></div><div><div>P54382</div><div>FOLD_BACSU;</div></div><div><div>Q89A92</div><div>FOLD_BUCBP;</div></div><div><div>O84081</div><div>FOLD_CHLTR;</div></div><div><div>Q9ZLQ4</div><div>FOLD_HELPJ;</div></div><div><div>P75096</div><div>FOLD_MYCPN;</div></div><div><div>Q60006</div><div>FOLD_SALTI;</div></div><div><div>Q05213</div><div>FOLD_THEAC;</div></div></div><div><div>Q922D8</div><div>C1TC_MOUSE;</div></div><div><div>P07245</div><div>C1TC_YEAST;</div></div><div><div>P57557</div><div>FOLD_BUCAI;</div></div><div><div>Q9PKW1</div><div>FOLD_CHLMU;</div></div><div><div>P24186</div><div>FOLD_ECOLI;</div></div><div><div>P56467</div><div>FOLD_HELPY;</div></div><div><div>P51696</div><div>FOLD_PHOPO;</div></div><div><div>P58688</div><div>FOLD_SALTY;</div></div><div><div>P55818</div><div>MTDA_METEX;</div></div></div></div>

[View entry in original ENZYME format](#)

All Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.

All [ENZYME/Swiss-Prot](#) entries corresponding to 1.5.1.- 

All [ENZYME/Swiss-Prot](#) entries corresponding to 1.5.-

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